

02/25/02

A

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)*(Only for new nonprovisional applications under 37 CFR 1.53(b))*Docket No.
END920010082

Total Pages in this Submission

4

TO THE ASSISTANT COMMISSIONER FOR PATENTSBox Patent Application
Washington, D.C. 20231

Transmitted herewith for filing under 35 U.S.C. 111(a) and 37 C.F.R. 1.53(b) is a new utility patent application for an invention entitled:

PROGRAMMABLE VERTICAL FILTER FOR VIDEO ENCODING

and invented by:

James D. Greenfield, Barbara A. Hall, Agnes Y. Ngai, John M. Sutton

ASSIGNEE NAME: International Business Machines Corporation

ASSIGNEE ADDRESS: Armonk, New York

If a **CONTINUATION APPLICATION**, check appropriate box and supply the requisite information:☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☒ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Which is a:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No.: _____

Enclosed are:

Application Elements

1. ☒ Filing fee as calculated and transmitted as described below
2. ☒ Specification having 40 pages and including the following:
 - a. ☒ Descriptive Title of the Invention
 - b. ☒ Cross References to Related Applications *(if applicable)*
 - c. ☐ Statement Regarding Federally-sponsored Research/Development *(if applicable)*
 - d. ☐ Reference to Microfiche Appendix *(if applicable)*
 - e. ☒ Background of the Invention
 - f. ☒ Brief Summary of the Invention
 - g. ☒ Brief Description of the Drawings *(if drawings filed)*
 - h. ☒ Detailed Description
 - i. ☒ Claim(s) as Classified Below
 - j. ☒ Abstract of the Disclosure

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
END920010082

Total Pages in this Submission

4

Application Elements (Continued)

3. ☒ Drawing(s) *(when necessary as prescribed by 35 USC 113)*
- a. ☒ Formal Number of Sheets Nine (9)
- b. ☐ Informal Number of Sheets _____
4. ☒ Oath or Declaration
- a. ☒ Newly executed *(original or copy)* ☐ Unexecuted
- b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional application only)*
- c. ☒ With Power of Attorney ☐ Without Power of Attorney
- d. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application,
see 37 C.F.R. 1.63(d)(2) and 1.33(b).
5. ☐ Incorporation By Reference *(usable if Box 4b is checked)*
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under
Box 4b, is considered as being part of the disclosure of the accompanying application and is hereby
incorporated by reference therein.
6. ☐ Computer Program in Microfiche *(Appendix)*
7. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all must be included)*
- a. ☐ Paper Copy
- b. ☐ Computer Readable Copy *(identical to computer copy)*
- c. ☐ Statement Verifying Identical Paper and Computer Readable Copy

Accompanying Application Parts

8. ☒ Assignment Papers *(cover sheet & document(s))*
9. ☐ 37 CFR 3.73(B) Statement *(when there is an assignee)*
10. ☐ English Translation Document *(if applicable)*
11. ☒ Information Disclosure Statement/PTO-1449 ☒ Copies of IDS Citations
12. ☐ Preliminary Amendment
13. ☒ Acknowledgment postcard
14. ☒ Certificate of Mailing
- ☐ First Class ☒ Express Mail *(Specify Label No.):* EL775817123US

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
END920010082

Total Pages in this Submission

4

Accompanying Application Parts (Continued)

15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*

16. ☒ Additional Enclosures *(please identify below):*

Patent Application Bibliographic Data (2 pages)

Request That Application Not Be Published Pursuant To 35 U.S.C. 122(b)(2)

17. ☐ Pursuant to 35 U.S.C. 122(b)(2), Applicant hereby requests that this patent application not be published pursuant to 35 U.S.C. 122(b)(1). Applicant hereby certifies that the invention disclosed in this application has not and will not be the subject of an application filed in another country, or under a multilateral international agreement, that requires publication of applications 18 months after filing of the application.

Warning

An applicant who makes a request not to publish, but who subsequently files in a foreign country or under a multilateral international agreement specified in 35 U.S.C. 122(b)(2)(B)(i), must notify the Director of such filing not later than 45 days after the date of the filing of such foreign or international application. A failure of the applicant to provide such notice within the prescribed period shall result in the application being regarded as abandoned, unless it is shown to the satisfaction of the Director that the delay in submitting the notice was unintentional.

UTILITY PATENT APPLICATION TRANSMITTAL
(Large Entity)

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Docket No.
END920010082

Total Pages in this Submission

4.

Fee Calculation and Transmittal

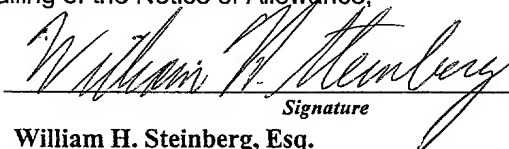
CLAIMS AS FILED

| For | #Filed | #Allowed | #Extra | Rate | Fee |
|--|--------|----------|--------|-----------|----------|
| Total Claims | 20 | - 20 = | 0 | x \$18.00 | \$0.00 |
| Indep. Claims | 3 | - 3 = | 0 | x \$84.00 | \$0.00 |
| Multiple Dependent Claims (check if applicable) <input type="checkbox"/> | | | | | \$0.00 |
| BASIC FEE | | | | | \$740.00 |
| OTHER FEE (specify purpose) _____ | | | | | \$0.00 |
| TOTAL FILING FEE | | | | | \$740.00 |

- ☐ A check in the amount of _____ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge and credit Deposit Account No. 09-0457 (IBM) as described below. A duplicate copy of this sheet is enclosed.
- ☒ Charge the amount of \$740.00 as filing fee.
 - ☒ Credit any overpayment.
 - ☒ Charge any additional filing fees required under 37 C.F.R. 1.16 and 1.17.
 - ☐ Charge the issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance, pursuant to 37 C.F.R. 1.311(b).

Dated:

2/22/02


Signature
William H. Steinberg, Esq.
Registration No.: 28,540
Customer No.:



30400

PATENT TRADEMARK OFFICE

CC:

CERTIFICATE OF MAILING BY "EXPRESS MAIL"

In Re Application of: Greenfield et al.

Title:: PROGRAMMABLE VERTICAL FILTER FOR VIDEO ENCODING

Attorney Docket No.: END920010082 (Our Ref. No. 0827.086)

"EXPRESS MAIL" MAILING LABEL NO. EL775817123US

Date of Deposit 2/22/02

I hereby certify that this paper is being deposited with the U.S. Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and addressed to:

BOX PATENT APPLICATION
COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

June M. Mitchell

(Typed or printed name of person mailing paper or fee)

June M. Mitchell
(Signature of person mailing paper or fee)

- * U.S. Patent Application which includes:
Specification (27 pages), 20 Claims (12 pages), Abstract
(1 page)
- * Nine (9) sheets of Formal Drawings
- * Utility Patent Application Transmittal Letter (4 pages)
(in duplicate)
- * Declaration and Power of Attorney for Patent Application
(4 pages - Executed)
- * Recordation Cover Sheet and Assignment (2 pages)
- * Information Disclosure Statement (2 pages)
- * Information Disclosure Citation and Twenty-Eight (28)
references
- * Patent Application Bibliographic Data (2 pages)
- * Two (2) Acknowledgment Postcards

Docket No.: END920010082

Inventor: Greenfield et al.

Title: PROGRAMMABLE VERTICAL
FILTER FOR VIDEO ENCODING

APPLICATION FOR UNITED STATES
LETTERS PATENT

"Express Mail" Mailing Label No.: EL775817123US
Date of Deposit: 2/22/02

I hereby certify that this paper is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: Box Patent Application, Commissioner for Patents, Washington, D.C. 20231.

Name: June M. Mitchell

Signature: June M. Mitchell

INTERNATIONAL BUSINESS MACHINES CORPORATION

10081779.02202